

ABSTRACT OF THE DISCLOSURE

A transceiver for a through-air optical communications system and the related method for transmitting signals through air by utilizing coherent light beams. The transceiver according to the invention comprises a receiving reflecting surface to properly reflect the coherent light received from another transceiver, said receive surface defining an outer edge. The transceiver is characterized by further comprising a single aperture in the shape of an annulus to pass the coherent light to be transmitted, said aperture substantially extending close to the outer edge of the receiving surface. Conveniently the annulus-shaped aperture is formed in the same main disk in which the receive reflecting surface is realized. The problem of scintillation and alignment between receiving and transmitting parts of the transceiver is reduced.